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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/735,801	12/13/2003	Stephen C. Gordy	15436.204.2.1	3854	
22913	7590	07/20/2009	EXAMINER		
Workman Nydegger		MACILWINEN, JOHN MOORE JAIN			
1000 Eagle Gate Tower		ART UNIT		PAPER NUMBER	
60 East South Temple		2442			
Salt Lake City, UT 84111					
MAIL DATE		DELIVERY MODE			
07/20/2009		PAPER			

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/735,801	GORDY ET AL.	
	Examiner	Art Unit	
	John M. MacLwinen	2442	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 14 May 2009.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-14 is/are pending in the application.

4a) Of the above claim(s) ____ is/are withdrawn from consideration.

5) Claim(s) ____ is/are allowed.

6) Claim(s) 1-14 is/are rejected.

7) Claim(s) ____ is/are objected to.

8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. ____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.

5) Notice of Informal Patent Application

6) Other: ____.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 5/14/2009 have been fully considered but they are not persuasive.
2. Applicant argues that, regarding rejections made under 35 USC 112 directed to "means for combining", that "In response, claim 1 has been amended to indicate that the means for combining must, at least, include a switch. Thus the term 'include' is open ended . . . Therefore, the Applicant believe that this element of claim 1 is clear and definite . . .".

Applicant's argument is not persuasive. When Applicant chose to write claim 1 under the provisions on 35 USC 112 6th paragraph, Applicant chose to limit the claims to the corresponding structure, as disclosed in the specification, and equivalents. The use of the open-ended term "include" appears to be an attempt to circumvent the requirements of 35 USC 112 and is therefore inappropriate.

Applicant's arguments thus are unpersuasive.

3. Applicant next argues that the "means for inserting . . . without disrupting the flow of data" could be one of "switches, Ethernet switches, field programmable gate arrays (FPGAs), and routers. . ." arguing that this is supported by paragraphs 45, 46, 72 and 89 of their specification. However, in regards to the "switch, Ethernet switches" noted in Applicant's arguments: it is unclear if the 'switch' that performs the "means for inserting . . ." is the same switch as the "means including a switch for combining". Applicant's arguments thus are not persuasive.

Specification

2. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter for the reasons given below in the 35 USC 112 written description rejection. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o).

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claim 1 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Specifically, it is not clear what the particular “means for combining the network data” and “means for inserting device data received” is represented by in Applicant’s specification.

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, the particular “means including a switch for combining the network data” and “means for inserting device data received” are unclear.

The “means including a switch for combining the network data” is described,

specifically in paragraph 125 and Fig. 15; however, paragraph 125 states that "Switch 356 and/or fan out buffer 392 thus provides means for combining". Due to said "and/or", and language and Applicant's arguments on 5/15/2009 that said "including" is "open ended" (pg. 7 of 8, paragraph 1, Applicant's Arguments), the 'means for' is unclear. That is, due to Applicant's "open ended" claim language, it is unclear if said 'means for' is (1) just the switch 356, (2) the switch 356 in combination with the fan out buffer 392, or some other combination. What the exact structure is, and the permutations of said structure, are requested to be clearly stated by Applicant.

7. Regarding the "means for inserting device data received . . . without disrupting the flow of data in the network cable", said limitation is discussed in Fig. 3 and paragraphs 45, 46, 72 and 89. However, based on these sections of the specification, it is unclear what specific items/'means for' are required to achieve the functionality of "inserting device data received . . . without disrupting the flow of data in the network cable". Applicant's arguments indicate that a "switch" may embody said means for; however, it is unclear if the switch of said "means for inserting" is the same switch as claimed by Applicant in the "means including a switch for combining".

Conclusion

1. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John M. MacIlwinen whose telephone number is (571) 272-9686. The examiner can normally be reached on M-F 7:30AM - 5:00PM EST; off alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on (571) 272-3868. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Andrew Caldwell/
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